

automation tool and a whole or partial copy of the computer readable code of the ~~software GUI~~ being tested;

(c) encoding a test case file comprising the one or more GUI object test steps of said selected test case and the name of an automation tool GUI environment file;

(d) transmitting said XML encoded test case file from said application server to said selected host machine;

(e) receiving said XML encoded test case file and decoding the contents thereof; wherein said decoding comprises generating a test script by parsing GUI object functionality test step syntax recognized by said automation tool from said XML encoded test case file and receiving a copy of the automation tool GUI environment file;

(f) loading said test script, said automation tool GUI environment file, and said whole or partial copy of the computer readable code of the ~~software GUI~~ being tested into said automation tool and executing said loaded test script using said automation tool thereby testing ~~a software application~~ said GUI.

Claim 2. *(Canceled)* ~~The method according to claim Claim 1 further comprising transmitting status information about said test case from said host machine to said application server and providing said status information to a user by way of said web interface.~~

Claim 3. *(Canceled)* ~~The method according to claim Claim 2 further comprising transmitting status information about one or more test steps of said test case from said host machine to said application server and providing said status information to a user by way of said web interface.~~

Claim 4. ~~(Canceled) The method according to claim Claim 1 wherein said test case file is selected from a flat file, markup language encoded file, XML file, HTML file, ASCII file, or XHTML file.~~

Claim 5. (Original) The method according to claim Claim 1 further comprising scheduling the execution of said selected test case on said selected host machine, wherein said scheduling comprises a time and a date for executing said selected test case on said selected host machine.

Claim 6. (Original) The method according to claim Claim 1 further comprising a querying of the application server by the host machine whether a test case has been assigned to the host machine.

Claim 7. (Original) The method according to claim Claim 6 further comprising said host machine requesting from the application server the encoding and transmitting of a test case file based on the test case assigned to said host machine.

Claim 8. (Once Amended) The method according to claim Claim 1 further comprising authoring a test case using said web interface and encoding said test case into XML format, wherein said authoring comprises adding GUI object functionality steps or modifying existing steps by selecting from a plurality of GUI objects representing GUI object functionalities.

Claim 9. (Once Amended) The method according to claim Claim 8 ~~further comprising modifying~~ wherein said GUI object functionalities are selected from a group consisting essentially of an action, procedure, and expected result.

Claim 10. *(Canceled)* ~~The method according to claim Claim 8 wherein said GUI objects are preset GUI objects.~~

Claim 11. *(Original)* The method according to claim Claim 8 wherein said GUI objects are manually created and an action, procedure, or expected result corresponding to said manually created GUI object is entered using automation tool recognized syntax.

Claim 12. *(Once Amended)* A computer system for web-interactive ~~software~~ GUI testing comprising:

- (a) an application server suitable as a web server operatively coupled to a database wherein said application server comprises a computer readable storage medium having computer readable code means for providing a web interface to one or more users, computer readable code means for populating said web-interface with data gathered from said database, and computer readable code means for populating said web-interface with data received from one or more host machines,
- (b) one or more user machines in communication with said application server ~~suitable~~, said user machines comprising computer readable storage media including computer readable code means for interacting with the web interface provided by said application server, and
- (c) one or more host machines in communication with said application server, said one or more host machines comprising computer readable storage media including an automation tool, a full or partial copy of the computer readable program code of a ~~software application~~ GUI to be tested, and computer readable code means for loading an XML encoded test case and parsing said test case into a test script, an automation tool GUI environment file, and the computer readable program code of said software application into said automation tool and ~~commanding the execution of~~ executing said test script by said automation tool.

Claim 13.     *(Once Amended)* The computer system according to claim Claim 12 wherein said application server further comprises

- (a)     computer readable program code means for enabling a user to select ~~of an~~ XML encoded test case,
- (b)     computer readable program code means for enabling a user to select a host machine on which to execute said selected test case,
- (c)     computer readable program code means for XML encoding a test case file wherein said test case file comprises one or more ~~of GUI object~~ test steps ~~of said selected test case~~ and the name of an automation tool GUI environment file;
- (d)     computer readable program code means for transmitting said XML encoded test case file to a host machine.

Claim 14.     *(Canceled)* ~~The computer system according to claim Claim 13 wherein said encoded test case file is selected from a flat file, markup language encoded file, XML file, HTML file, ASCII file, or XHTML file.~~

Claim 15.     *(Original)* The computer system according to claim Claim 13 wherein the application server further comprises computer readable program code means for scheduling the execution of said selected test case on said selected host machine, wherein said scheduling comprises a time and a date for executing said selected test case on said selected host machine.

Claim 16.     *(Once Amended)* The computer system according to claim Claim 13 wherein the application server further comprises computer readable code means for enabling a user to author ~~of a~~ an XML encoded test case using said web interface wherein

said user adds GUI test steps or modifies existing GUI test steps by selecting from a plurality of GUI objects.

Claim 17.     *(Original)* The computer system according to claim Claim 16 wherein said application server further comprises computer readable code means for enabling a user to modify an action, procedure, or expected result corresponding to a selected GUI object.

Claim 18.     *(Canceled)* ~~The computer system according to claim Claim 16 wherein said GUI objects are preset GUI objects.~~

Claim 19.     *(Once Amended)* The computer system according to claim Claim 12 wherein said one or more host machines further comprise

- (a) computer readable program code means for querying said application server whether a test case has been scheduled for execution by said host machine,
- (b) computer readable program code means for requesting the encoding into XML ~~of and the~~ transmission of a test case file by the application server,
- (c) computer readable program code means for receiving said XML encoded test case file,
- (d) computer readable program code means for decoding said XML encoded test case file, said decoding comprising generating a test script by parsing automation tool recognized syntax from said XML encoded test case file, and resolving the name of an automation tool GUI environment file from said test case file,
- (e) computer readable program code means for requesting the transmission of and receiving said automation tool GUI environment file from the application server,

(f) computer readable program code means for updating the application server with the status of a test case assigned to be executed on said host machine or the status of the one or more GUI object test steps included in said test case.

Claim 20. *(Once Amended)* A method for managing software GUI testing requirements comprising:

- (a) providing a web interface wherein one or more users can create one or more requirements folders using said web interface and saving said one or more requirements folders in a relational database coupled to an application server that provides said web interface,
- (b) providing a web interface wherein one or more users can create one or more test cases using a web interactive authoring tool and saving said one or more test cases in a relational database coupled to an application server that provides said web interface, wherein said test cases comprise one or more GUI object test steps, and
- (c) providing a web interface wherein one or more users can sort said one or more test cases within said one or more requirements folders; and
- (d) providing a means for encoding said one or more test cases into XML format.

Claim 21. *(Original)* The method according to claim Claim 20 further comprising providing a web interface wherein one or more users can create one or more sub-requirements folders using said web interface and saving said one or more sub-requirements folders in said one or more requirements folders; wherein both said requirements and said sub-requirements folders are saved in a relational database coupled to said application server that provides said web interface.